SCHEDULE OF CONTROLLED DEVICES – LAB/OFFICE MODULES, BUILDINGS 431–438

JOHNSON CONTROLS

DAMPER SCHEDULE

PROJECT/ADDRESS: The Argonne National Labs, Advanced Photon Source Campus, 9700 Cass Avenue South, Argonne, IL 60439
BUILDING DESIGNATION: LAB/OFFICE MODULES
MECHANICAL CONTRACTOR:
SHEET METAL CONTRACTOR:

SHEET: 8
CONTRACT: 1390-0009
PREPARED BY: DCS
DATE: 05/27/93
BRANCH: ARLINGTON HGTS

TAG			DAMPER INFORMATION						DUCT INFORMATION		ACTUATOR INFORMATION					
SYSTEM	SERVICE	SECT. LABEL	QTY	FAIL POS.	DAMPER TYPE	DAMPER SIZE WIDTH	DAMPER SIZE HEIGHT	REF DET	DUCT SIZE WIDTH	DUCT SIZE HEIGHT	QTY	CODE NUMBER	PILOT	SPRING RANGE	MTG	REMARK
AHU-1001-4	O.A.	I	8	NC	COPAS	60	42	H1	60	84	8	D-3153-3	N	5-10#	W	
AHU-1001-4	O.A.	II	8	NC	COPAS	60	42	H1	60	84						
AHU-1001-4	O.A.	I	8	NC	COPAS	36	42	I1	108	84	32	D-3153-1	Y	9-13#	W	
AHU-1001-4	O.A.	II	8	NC	COPAS	36	42	I1	108	84						
AHU-1001-4	O.A.	III	8	NC	COPAS	36	42	I1	108	84						
AHU-1001-4	O.A.	IV	8	NC	COPAS	36	42	I1	108	84						
AHU-1001-4	O.A.	V	8	NC	COPAS	36	42	I1	108	84						
AHU-1001-4	O.A.	VI	8	NC	COPAS	36	42	I1	108	84						
AHU-1001-4	R.A.	-	8	NO	COPAS	72	28		72	28	8	D-3153-1	Y	9-13#	W	
AHU-1001-4	E.A.	I	8	NC	COPAS	96	42	J1	96	84	24	D-3153-1	Y	9-13#	W	
AHU-1001-4	E.A.	II	8	NC	COPAS	96	42	J1	96	84						
EF-1017-19	O.A.	-	6	NC	COPAS	48	48		24	12	6	D-3073-3	N	5-10#	W	
EF-1020-27	E.A.	-	8	NC	COPAS	12	12		12	12	8	D-3073-3	N	5-10#	W	

NOTE:
BASE JOB EQUALS QUANTITIES IN THE BILL OF MATERIALS DIVIDED BY TWO.
ALTERNATE IS THE QUANTITY AS PRINTED IN THE BILL OF MATERIALS.

BASE JOB IS BUILDINGS 431, 432, 434, 435

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JOHNSON CONTROLS

VALVE SCHEDULE

PROJECT/ADDRESS: The Argonne National Labs, Advanced Photon Source Campus, 9700 Cass Avenue South, Argonne, IL 60439
BUILDING DESIGNATION: LAB/OFFICE MODULES
MECHANICAL ENGINEER:
MECHANICAL CONTRACTOR:

SHEET: 9
CONTRACT: 1390-0009
PREPARED BY: DCS
DATE: 06/22/93
BRANCH: ARLINGTON HGTS

TAG				VALVE INFORMATION									ACTUATOR INFORMATION	
ITEM	SYSTEM	SERVICE	REF DRWG#	QTY	FAIL POS.	VALVE CODE NUMBER	BODY STYLE	SIZE	Cv	CAPACITY	DIFF PRES	*	ACTUATOR TYPE	RANGE
1	AHU-1001-4	HTG	H-950	8	NO	V-3754-1027	NO-SCR	1	13.9	30.4 GPM	4.8		V-3000 W/PILOT	5-15#
2	AHU-1001-4	CLG	H-950	8	NC	V-5462-10	NC-FLG	3	83.0	167.1 GPM	4.1		8R	9-13#
3	LTW-FTR	HTG	H-951	8	NO	V-3754-1027	NO-SCR	1	13.9	20.0 GPM	2.1		V-3000 W/PILOT	5-15#
4	LTW-REHEAT	HTG	H-951	8	NO	V-3754-1027	NO-SCR	1	13.9	24.0 GPM	3.0		V-3000 W/PILOT	5-15#
5	LTW-RH-BYP	HTG	H-901	8	NO	VTM-TN047-31P	SCR	1/2	4.7	10.0 GPM	4.5		V-3000 W/PILOT	5-15#
6	RH-1001-8	HTG	H-951	64	NO	VTM-TN019-220	SCR	1/2	1.9	1.8 GPM	0.9		VA-8022	
7	RH-1009	HTG	H-951	8	NO	VTM-TN007-220	SCR	1/2	0.7	1.4 GPM	4.0		VA-8022	
8	RH-1010	HTG	H-951	8	NO	VTM-TN019-220	SCR	1/2	1.9	1.8 GPM	0.9		VA-8022	
9	RH-1011	HTG	H-951	8	NO	VTM-TN007-220	SCR	1/2	0.7	0.3 GPM	0.2		VA-8022	

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BASE JOB IS BUILDINGS 431, 432, 434, 435

* - PIPING DETAIL - SEE ATTACHED PIPING DETAIL SHEET

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DRAWING TITLE: LAB/OFFICE MODULE CONTROL VALVE AND DAMPER SCHEDULE

1 GENERAL 07/06/93 DCS

PROJECT: The Argonne National Labs, Advanced Photon Source Campus, 9700 Cass Avenue South, Argonne, IL 60439

JOHNSON CONTROLS Systems & Services Division

CONTRACT NUMBER 91390-0009

DRAWING NUMBER LOM_SCHED

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